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(54) FERROELECTRIC
LIQUID CRYSTAL
COMPOSITION AND
LIQUID CRYSTAL DISPLAY
ELEMENT

(57) Abstract:

PURPOSE: To obtain the present composition, consisting of specific ferroelectric chiral smectic Y liquid crystal compounds and capable of displaying half tone and providing a liquid crystal element having extremely high rate of response.

CONSTITUTION: The objective composition consisting of two or more compounds selected from the group of ferroelectric chiral smectic Y liquid crystal compounds expressed by formulas IWVII, etc. For example, three-color display can be carried out as follows, black, orange and blue in use as a display element of 6 μ m cell gap and black,

violet and yellowish green in use as a display element of 5 μ m cell gap.

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